

Generation IV Interim Roadmap

***GIF Policy and Experts Meeting: Rio de Janeiro
July 9–10, 2002***



Overview of this Segment

- *Roadmap Update* *15 min*
- *Focus on Interim Roadmap Messages* *15 min*
 - *Motivation for Gen IV and the roadmap*
 - *Introduction to the roadmap process*
 - *Presentation of major findings*
- *Comments on the Interim Roadmap* *60 min*



Roadmap Events from May to Present

- *TWGs and CGs issue R&D Scope Reports* *May 24, and Jun 21*
- *INTD Submittals received* *Jun 16*
- *Boston Quarterly Meeting* *Jun 25-27*
 - *Review R&D for overlaps or omissions*
 - *Agree on general prioritization of R&D*
 - *Prepare written sections on R&D for the roadmap*
 - *Prepare suggested R&D timelines*
 - *INTD review and recommendations*
- *RIT prepared a 'Draft Interim Roadmap' (v21)* *Jun 26*
- *Secretariat sent out the 'Draft Interim Roadmap' to the GIF (v27)* *Jul 3*



Selected Roadmap Milestones in 2002

	<i>Scheduled</i>	<i>Actual</i>
<i>Concept selection complete</i>	<i>Feb/Mar</i>	<i>21 May</i>
<i>Interim Roadmap</i>	<i>31 May</i>	<i>26 Jun</i>
<i>GRNS Review Meeting (DC)</i>		<i>31 Jul – 1 Aug</i>
<i>R&D Integration Plan</i>	<i>28 Jun</i>	<i>~mid Aug</i>
<i>Final Roadmap (draft)</i>	<i>02 Aug</i>	<i>~late Aug</i>
<i>Final Roadmap</i>	<i>27 Sep</i>	<i>27 Sep</i>



Roadmap Report Structure

The Roadmap will be a two-part document:

- *Roadmap Summary (~20 pages)*
 - *Written for non-technical audience*
 - *Sets the context and summarizes recommendations*
- *Technical Roadmap (~100 pages)*
 - *Written for nuclear technical audience*
 - *Provides technical descriptions, analysis, and justifications*

Detailed reports will be on CD-ROM



Steps to Creating the Technical Roadmap

Technical Roadmap was planned in Three Steps:

<i>Draft:</i>	<i>Introduction and Selection of Systems</i>	<i>~20 pages</i>
<i>Interim:</i>	<i>... add R&D Gaps and Needs</i>	<i>add ~60 pages</i>
<i>Final:</i>	<i>... add R&D Integration and Planning</i>	<i>add ~20 pages</i>

- *Your review copy has Introduction and Selection of Systems*
- *The R&D Gaps and Needs are in rough draft, and have considerably more technical content*



Upcoming Reviews and Steps

- *GIF will review the Draft-level version and provide comments following this presentation*
- *We propose sending the Interim Roadmap to GIF members in mid-August.*
- *We expect to complete the draft Final Roadmap during August, and send it out at the end of August*



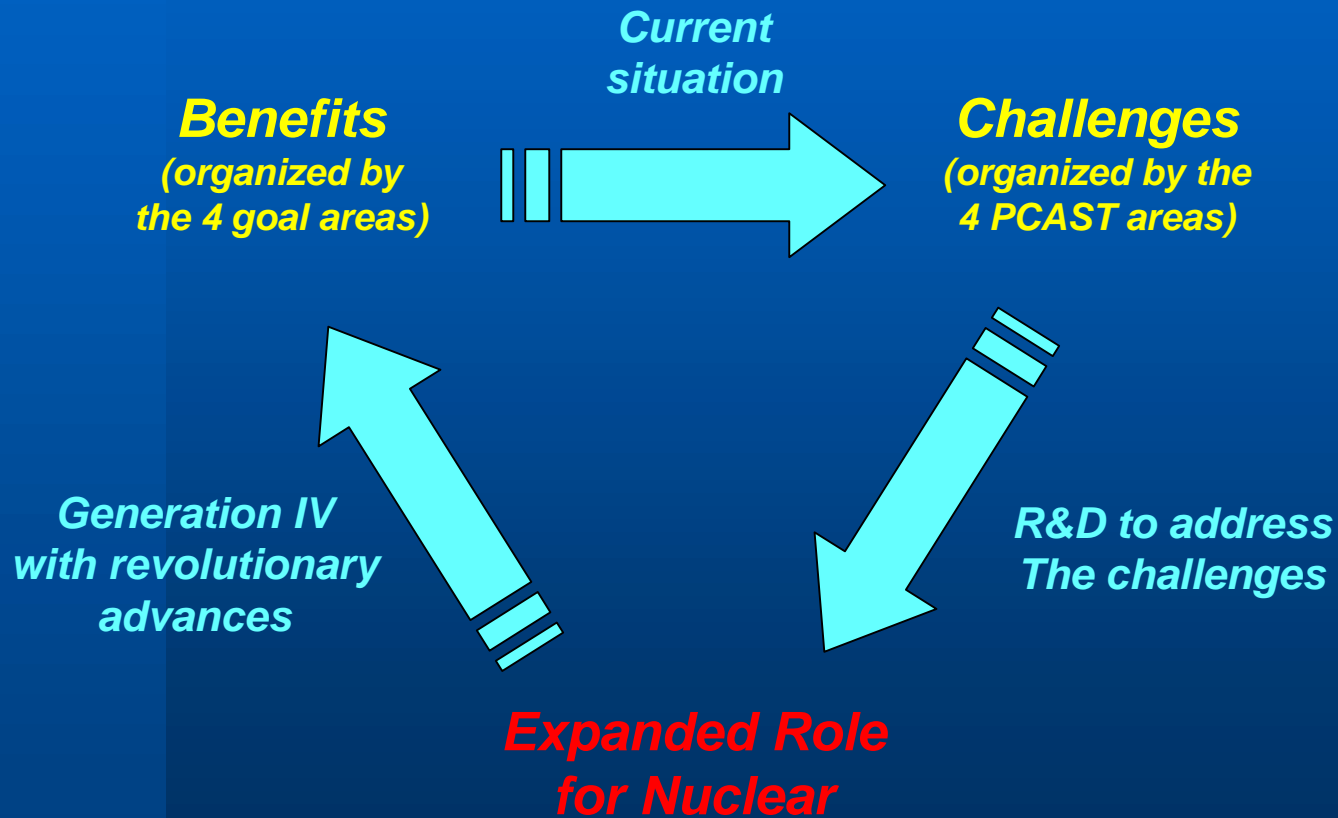
Overview of the Draft Interim Roadmap

Three Sections:

- *An Expanded Role for Nuclear Energy*
 - *Motivation for Generation IV and its R&D*
- *The Technology Roadmap in Brief*
 - *Overview of the roadmap process*
- *Findings of the Roadmap*
 - *Conclusions*
 - *Recommended Generation IV Systems*
 - *Connections back to meeting the challenges and achieving the benefits*

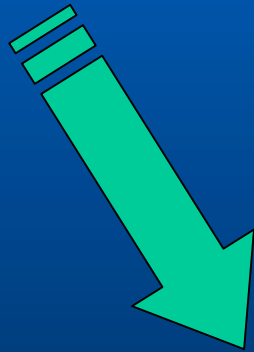


1. Motivation for Generation IV and R&D



2. Introducing the Process

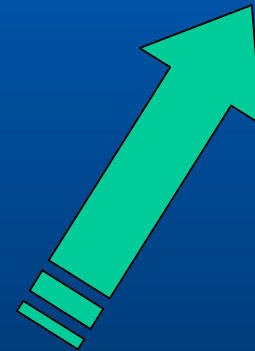
*Generation IV
International
Forum*



*Generation IV
Goals*



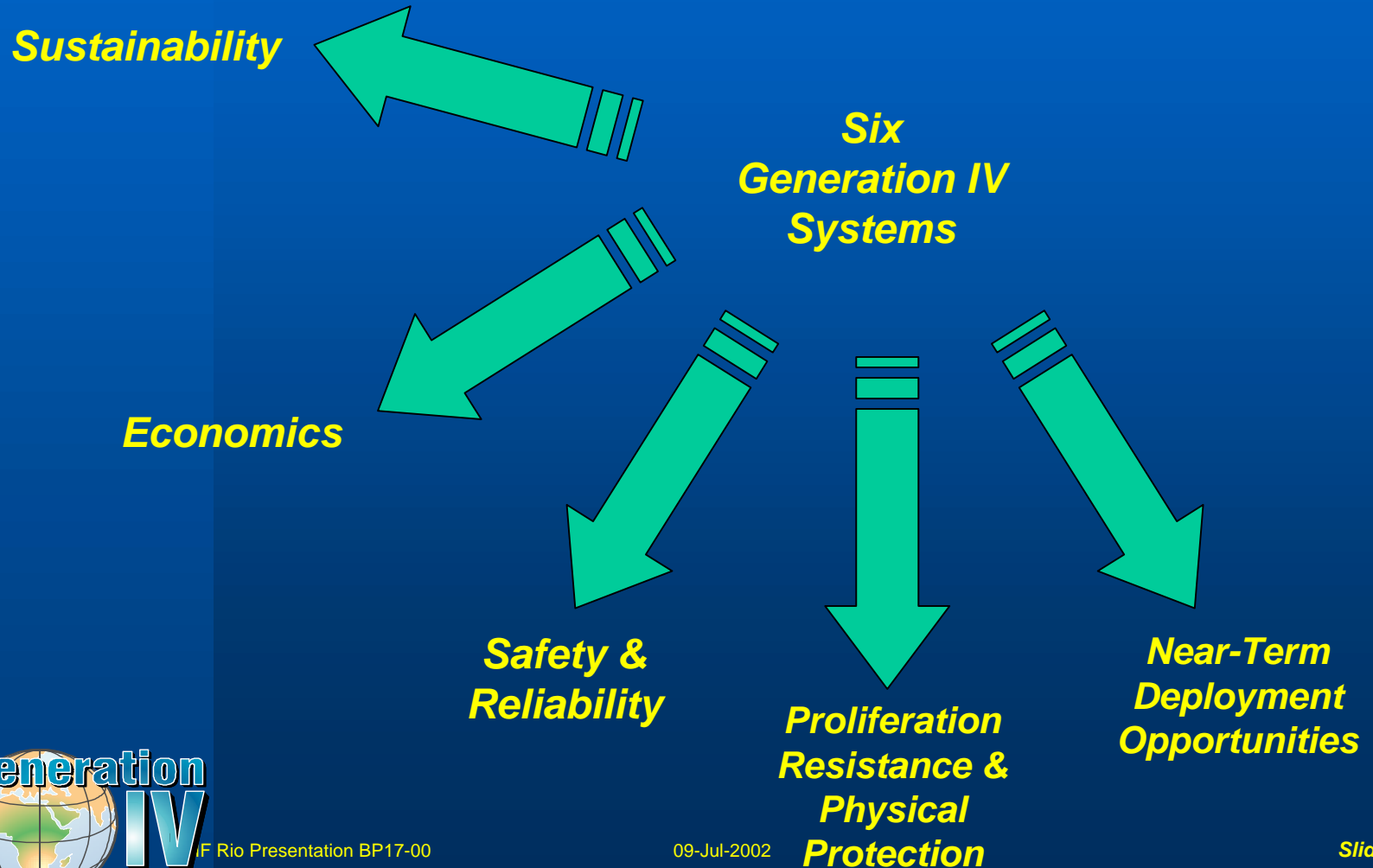
*Roadmap
Project*



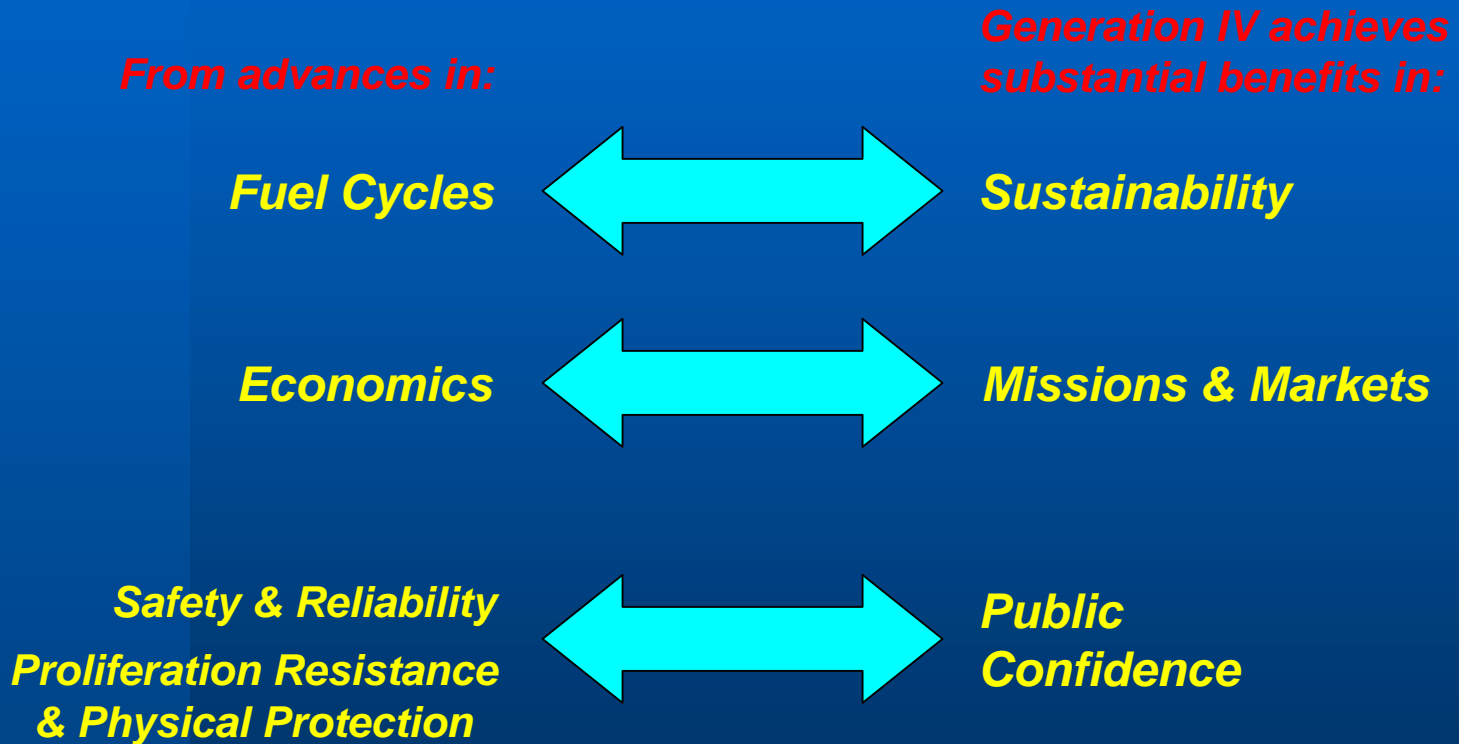
*Evaluation
& Selection
Process*



3. *Presenting the Findings*



Simplified Connections



Discussion and Comment Period

- *Comments will be captured on-screen*
- *Discussion and comment on any aspect is welcome*
- *Special interest in the treatment of:*
 - *Motivation for Generation IV and its R&D*
 - *Description of the roadmap process*
 - *Four goal areas*
 - *International participation*
 - *Recommended systems and their attributes*
 - *Recognition for INTD*

